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# Clean Energy Workforce Training Program

Employment Training Panel

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# Employment Training Panel

- ETP is a joint business-labor training program.
- Benefits the CA economy by funding training that supports the creation and retention of **high-wage, high-skilled jobs**.
- Supports industries with the greatest economic impact on the State, such as **manufacturing and high technology**.

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# Since ETP's Inception in 1983:

- **\$1.1 billion** dollars for training and retention
- **725,000+** workers assisted
- **65,000+** businesses supported

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# ETP-Program Profile

- Funding format - Single Employer Contracts & Multiple Employer Contracts
- Funding for incumbent and dislocated workers and individuals with recently exhausted UI benefits.
- Targeted support of special populations:
  - ✓ At-risk youth,
  - ✓ Ex-offenders,
  - ✓ Individuals with barriers, and
  - ✓ Veterans.

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# ETP Funding Flexibility

- Curriculum flexibility and trainer options
- Multiple training delivery modes:
  - ✓ Classroom
  - ✓ Laboratory
  - ✓ Video Conferencing
  - ✓ Clinical
  - ✓ Computer Based
- Fixed fee reimbursement
- Up to 200 hours of training per trainee
- Online tracking, reporting, invoicing

# Key Strategic Initiatives

- Career Technical Education (CTE)
- Re-skilling Dislocated Workers
- Green/Clean Technology
- Nursing Shortage
- Support for Veterans
- Training Ex-Offenders/At-Risk Youth
- High Unemployment Areas
- Micro-enterprises

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# Priority Industries 2009/10

- Manufacturing
- Goods Movement and Transportation Logistics
- Biotechnology and Life Sciences
- Information Technology Services
- Multimedia/Entertainment



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# Priority Industries 2009/10

- Healthcare
- Construction
- Agriculture
- High Technology
- Small Business (100 or fewer employees)



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# ETP's “Green” Investments

- Since July 2004, **\$61 million** awarded in **175** contracts to train **56,000+** in green industries
- Partnering for the advancement of green technology in:
  - ✓ Renewable energy
  - ✓ Energy efficiency and demand response
  - ✓ Environmental-enhancing technologies
  - ✓ Enabling technologies
- Ongoing work with Governor, Labor Agency, and CalBIS to attract green industries

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# Green Collar Jobs Council

- ETP is a participating agency in CA Green Collar Jobs Council.
- ETP can be a source of leveraged funding support for proposals seeking federal ARRA competitive funds relating to workforce development.



# ETP/CEC Partnership

CEC is teaming with ETP in a \$5 million partnership to support green skills development within the following areas of the energy infrastructure:

- Energy efficiency
- Water Efficiency
- Renewable Energy (distributed generation and utility scale)

Funded by the American Recovery and Reinvestment Act (ARRA)

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# AB118 - ETP and CEC

ETP is also teaming with CEC in a \$5 million partnership to fund training projects which develop and deploy renewable alternative fuels and clean vehicle technologies:

- Fuel feedstock production and/or extraction
- Alternative and renewable fuel distribution, transportation, and/or storage
- Idle management technology and other conservation technologies
- High-performance and low-emission vehicle technologies including Automotive computer systems
- Mass transit fleet and clean vehicle conversion, service, and maintenance

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# Focus on Jobs

**Training will focus on providing job skills upgrade training for incumbent workers and placing unemployed workers in the following areas:**

- Jobs that reduce energy or water use in the building sector** (building retrofit contractors, green plumbing, efficient lighting manufacturing, etc.)
- Jobs in the production and/or transmission of renewable energy** (solar panel manufacturing, smart grid installation, etc.)
- Jobs in the development and deployment of alternative/renewable fuels and clean vehicle technologies** (AB118)

# Focus on Jobs

## Training of unemployed workers should also:

- Assist those most affected by recession (e.g. located in regions of high unemployment)
- Provide training for those in need that enable them to acquire knowledge and skills for success at work (e.g. low household income, veterans, at-risk youth, recipients of public assistance, those having limited English skills, and those underrepresented in the workforce including disabled and ex-offenders)



# Program Flexibility

**CEWTP Projects may be granted additional flexibility covering the following areas:**

Employer and Trainee Eligibility

Project dollar amount at approval

Higher training hours per trainee

On-the-job training (Productive Lab)

Portfolio retention model (New Hire)

Retention Period (case by case)

Wage Requirement

Placement Process

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# Curriculum Focus

**When applicable, training programs should seek to use industry-certified curricula, including any of the following:**

- National American Board of Certified Energy Practitioners (NABCEP)
- Building Performance Contractors Association (CBPCA)
- Building Commissioning Association
- Building Performance Institute (BPI)
- North American Technician Excellence (NATE)



# Training Focus

**CEWTP-funded training should be focused on the following four major job skill or business activity areas:**

- Building Energy Efficiency Standards
- Green Building rating, construction or retrofit
- Renewable energy system installation, operations or maintenance
- Electricity transmission, distribution, installation or maintenance (smart grid applications)

# Building Energy Efficiency Standards

**Primary Preference Target:** Building Energy Efficiency Standards (Title 24) compliance training and enforcement training for contractors.

Training examples:

- Training for quality installation of insulation, high- efficiency HVAC system design, installation and retrofits, maintenance, and commissioning
- Inspections and permit enforcement for HVAC system installations and retrofits
- Roofing contractors training for Cool Roof installations
- Principles of energy and resource efficient and sustainable community design, infrastructure, and zoning for building and planning officials

**Secondary Preference Target:** Green building product manufacturing (energy and water efficiency)

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# Green Building

**Primary Preference Target:** Green Building rating, construction or retrofit training for contractors, including energy, water and materials efficiency and indoor environmental quality, land use planning for community development. Training examples:

- Home Energy Rating System (HERS) raters (3rd party verification) training
- Leadership in Energy and Environmental Design Accredited Professional training
- Commercial acceptance, building commissioning and retro-commissioning training
- Certified Green Building Professional Training

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# Renewable Energy Systems

**Primary Preference Target:** Renewable energy system installation, operations or maintenance. Training examples:

- 3rd party verification of photovoltaic installations
- Wind Technology installation training
- Solar heating and cooling system installation
- Inspection and permit enforcement for renewable energy systems (e.g., wind, photovoltaic, solar heating and cooling)

**Secondary Preference Target:** Renewable energy system manufacturing (e.g., wind turbine fabrication, photovoltaic system manufacture)



# Electricity Transmission Related

**Primary Preference Target:** Electricity transmission, distribution, installation or maintenance, including smart grid applications. Training examples:

- Power systems operations, instrument controls and repair technicians
- Installation or maintenance of transmission and distribution lines
- Smart grid technology

**Secondary Preference Target:** Transmission and distribution system manufacturing

# Training Exclusions

**Employers not green in their primary core or business will not be considered**

- training that improves the efficiency or reduces the environmental impact of a manufacturing process
- training for a one-time installation of efficient lighting in a building

**Projects not focused on the reduction of energy or water usage or the development of renewable energy will not be considered**



# ETP Process

CEWTP - AB118 Designation (ETP)

Preliminary Application

Site Visit by Regional Office

Development of the Contract

CEWTP - AB118 Approval CEC

Panel Approval of CEWTP Contract

Funded Training Begins

On going monitoring and technical assistance

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# ETP Timeframes

## Key Dates CEWTP:

- Proposal development - Dec. 09-Jan. 2010
- First group of projects approved by ETP Panel - Jan 21, 2010
- Two-year agreement term
- Additional projects approved at monthly Panel meetings

## Key dates AB 118:

- Development of initial proposals - Feb-March-April 2010
- Projects approved by ETP Panel -April 2010
- Two-year term
- Additional projects approved at monthly meetings



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